

Construction Materials



Inner Conductor	Stranded Tinned copper wire
Dielectric	Solid PE
Outer Conductor	Tinned copper braiding
Jacket	PVC

Electrical Specification

Capacitance	102 pF/m
Impedance	50 Ω
Velocity	66%
Voltage	4.5 kV
Inner Conductor DC Resistance	$\leq 31.17(20^{\circ}\text{C})$
Outer Conductor DC Resistance	$\leq 15.40(20^{\circ}\text{C})$
Jacket Spark	3.0 kV
Shielding Effectiveness	>70 dB
Insulation resistance	$\geq 5000 \text{ M}\Omega/\text{km}$

Physical Dimensions

Inner Conductor Diameter	0.965mm
Dielectric Diameter	3.00mm
Outer Conductor Diameter	3.60mm
Diameter Over Jacket	4.95mm

Mechanical & Environmental Specifications

Minimum Bending Radius	25 mm
Installation Temperature Range	-25/+70 $^{\circ}\text{C}$ or -40/+85 $^{\circ}\text{C}$
Storage Temperature Range	-25/+70 $^{\circ}\text{C}$ or -70/+85 $^{\circ}\text{C}$
Operating Temperature Range	-25/+70 $^{\circ}\text{C}$ or -40/+85 $^{\circ}\text{C}$

Performance

Frequency MHz	Attenuation dB/100 m	Attenuation dB/100ft
1	1.50	0.46
10	4.70	1.43
30	8.80	2.68
100	17.20	5.24
300	30.00	9.14
1000	57.50	17.53